

Application No.: 10/500,364

Docket No.: 22106-00064-US1

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph at page 2, lines 7-9 (i.e., paragraph 8 of the published application) as shown below:

In the system according to the present invention, the voltage sensors are directly wired to an electronic device on-board (ED-OB) the circuit breaker (MA e-CB) for better reliability and for sustaining high dynamics of voltage-based protection functions.

Please amend the paragraph at page 2, lines 10-17 (i.e., paragraph 9 of the published application) as shown below:

When the voltage measurement is located on the load side of a circuit breaker (MA e-CB), equipped with a proper electronic device (ED-OB) it is possible to achieve a high accuracy by implementing an on-line calibration procedure. The method for on-line calibration according to the present invention is based on the availability of a high accuracy and stability stable voltage transformer (1) on the busbar (busbar). The voltage information coming therefrom (i.e., from the voltage transformer) is communicated to all the electronic devices (ED-OB) which are on-board the circuit breakers (MA e-CB) or present in the switchboard (e.g., ED), so as to calibrate the local low accuracy capacitive voltage sensor sensors 2, 3.

Please amend the paragraph at page 3, lines 8-18 (i.e., paragraph 16 of the published application) as shown below:

Referring to FIG. 2, the voltage transformer, designated with reference numeral 1, on the busbar is connected to an Intelligent Process Unit. In FIG. 2, the Intelligent Process Unit is identified as an electronic device ED, in all similar to the electronic device on-board (ED-OB) the circuit breaker (MA e-CB). Through this specific electronic device (ED), the voltage measure is available to all the electronic devices (ED, ED-OB) present on the communication bus (bus). The need to transfer the full information, i.e. the data samples, or a processed information, such as

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module and/or phase, in a continuous manner would impose high requirements on the bus transmission capability. At the same time, if the information is used for protection function, a high dynamic of the order of milliseconds and a high reliability of the information bus are mandatory.